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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2009; month=3; day=12; hr=11; min=2; sec=14; ms=883; ]

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\*\*\*\*\*

Reviewer Comments:

E287 Invalid WIPO ST.2 date format; Use (YYYY-MM-DD) in <141>

E287 Invalid WIPO ST.2 date format; Use (YYYY-MM-DD) in <151>

E287 Invalid WIPO ST.2 date format; Use (YYYY-MM-DD) in <151>

<140> 10/565,646

<141> March 24, 2006

<150> PCT/FR2004/001952

<151> July 22, 2004

<150> FR/09161

<151> July 25, 2003

Please change the format of the dates above to (YYYY-MM-DD).

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<211> 648

<212> PRT

<213> Bos taurus

<400> 6

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180 185 190

Ser Gln Ser Tyr Val Pro Leu Ala His Ser Ser Ser Ala Phe Thr Ile

195

200

205

Thr Asp Gln Val Pro Phe Ser Val Ser Val Ser Gln Leu Gln Ala Leu 210  
215 220

Asp Gly Arg Asn Lys Arg Phe Leu Arg Lys Gln Pro Leu Thr Phe Ala  
225 230 235 240

"The enumeration of amino acids shall start at the first amino acid as  
number 1. It shall be marked below the sequence every 5 amino acids. SEQ  
ID # 6 amino acid number 210 is not in the correct location. Please make  
all necessary changes.

\*\*\*\*\*

Application No: 10565646 Version No: 2.0

Input Set:

Output Set:

**Started:** 2009-02-05 20:45:13.750  
**Finished:** 2009-02-05 20:47:46.221  
**Elapsed:** 0 hr(s) 2 min(s) 32 sec(s) 471 ms  
**Total Warnings:** 21  
**Total Errors:** 335  
**No. of SeqIDs Defined:** 11  
**Actual SeqID Count:** 11

Error code	Error Description
E 287	Invalid WIPO ST.2 date format; Use (YYYY-MM-DD) in <141>
E 287	Invalid WIPO ST.2 date format; Use (YYYY-MM-DD)in <151>
E 287	Invalid WIPO ST.2 date format; Use (YYYY-MM-DD)in <151>
E 201	Mandatory field data missing in <223> in SEQ ID (1)
E 201	Mandatory field data missing in <223> in SEQ ID (1)
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E 201	Mandatory field data missing in <223> in SEQ ID (1)
E 320	Wrong Nucleic Acid Designator, ga in SEQID (1)
E 320	Wrong Nucleic Acid Designator, gt in SEQID (1)
E 320	Wrong Nucleic Acid Designator, gg in SEQID (1)
E 320	Wrong Nucleic Acid Designator, ac in SEQID (1)
E 320	Wrong Nucleic Acid Designator, gc in SEQID (1)
E 323	Invalid/missing amino acid numbering SEQID (1) POS (6764)

Error code	Error Description
E 320	Wrong Nucleic Acid Designator, gg in SEQID (1)
E 320	Wrong Nucleic Acid Designator, gg in SEQID (1)
E 320	Wrong Nucleic Acid Designator, ag in SEQID (1)
E 201	Mandatory field data missing in <223> in SEQ ID (3)
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E 201	Mandatory field data missing in <223> in SEQ ID (3)
E 201	Mandatory field data missing in <223> in SEQ ID (3)
E 201	Mandatory field data missing in <223> in SEQ ID (3) This error has occured more than 20 times, will not be displayed
E 320	Wrong Nucleic Acid Designator, ga in SEQID (3)
E 320	Wrong Nucleic Acid Designator, gt in SEQID (3)
E 320	Wrong Nucleic Acid Designator, gg in SEQID (3)
E 322	CDS location out of range SEQID (3) At Protien count (157)
E 259	Found undefined lettercode; POS (4557) SEQID(3)
E 259	Found undefined lettercode; POS (4558) SEQID(3)
E 259	Found undefined lettercode; POS (4559) SEQID(3)
E 259	Found undefined lettercode; POS (4560) SEQID(3)
E 254	The total number of bases conflicts with running total, Input: 4616, Calculated : 4620 SEQID(3)

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**Total Warnings:** 21

**Total Errors:** 335

**No. of SeqIDs Defined:** 11

**Actual SeqID Count:** 11

Error code	Error Description
E 254	The total number of bases conflicts with running total, Input: 4676, Calculated : 4680 SEQID(3)
E 254	The total number of bases conflicts with running total, Input: 4734, Calculated : 4738 SEQID(3)
E 254	The total number of bases conflicts with running total, Input: 4782, Calculated : 4786 SEQID(3)
E 254	The total number of bases conflicts with running total, Input: 4830, Calculated : 4834 SEQID(3)
E 254	The total number of bases conflicts with running total, Input: 4878, Calculated : 4882 SEQID(3)
E 254	The total number of bases conflicts with running total, Input: 4926, Calculated : 4930 SEQID(3)
E 254	The total number of bases conflicts with running total, Input: 4974, Calculated : 4978 SEQID(3)
E 254	The total number of bases conflicts with running total, Input: 5022, Calculated : 5026 SEQID(3)
E 254	The total number of bases conflicts with running total, Input: 5070, Calculated : 5074 SEQID(3)
E 254	The total number of bases conflicts with running total, Input: 5118, Calculated : 5122 SEQID(3)
E 254	The total number of bases conflicts with running total, Input: 5166, Calculated : 5170 SEQID(3)
E 254	The total number of bases conflicts with running total, Input: 5214, Calculated : 5218 SEQID(3)
E 254	The total number of bases conflicts with running total, Input: 5262, Calculated : 5266 SEQID(3)
E 254	The total number of bases conflicts with running total, Input: 5310, Calculated : 5314 SEQID(3)
E 254	The total number of bases conflicts with running total, Input: 5358, Calculated : 5362 SEQID(3)

**Input Set:**

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**Started:** 2009-02-05 20:45:13.750  
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**No. of SeqIDs Defined:** 11  
**Actual SeqID Count:** 11

Error code	Error Description
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E 254	The total number of bases conflicts with running total, Input: 5463, Calculated : 5467 SEQID(3)
E 254	The total number of bases conflicts with running total, Input: 5523, Calculated : 5527 SEQID(3)
E 254	The total number of bases conflicts with running total, Input: 5583, Calculated : 5587 SEQID(3) This error has occurred more than 20 times, will not be displayed
E 320	Wrong Nucleic Acid Designator, gc in SEQID (3)
E 322	CDS location out of range SEQID (3) At Protien count (476)
E 323	Invalid/missing amino acid numbering SEQID (3) POS (6768)
E 322	CDS location out of range SEQID (3) At Protien count (505)
E 320	Wrong Nucleic Acid Designator, gg in SEQID (3)
E 322	CDS location out of range SEQID (3) At Protien count (573)
E 320	Wrong Nucleic Acid Designator, gg in SEQID (3)
E 322	CDS location out of range SEQID (3) At Protien count (603)
E 320	Wrong Nucleic Acid Designator, ag in SEQID (3)
E 322	CDS location out of range SEQID (3) At Protien count (649)
E 253	The number of bases differs from <211> Input: 8146
E 323	Invalid/missing amino acid numbering SEQID (5) POS (2323)
E 320	Wrong Nucleic Acid Designator, ga in SEQID (5)
E 320	Wrong Nucleic Acid Designator, gt in SEQID (5)
E 323	Invalid/missing amino acid numbering SEQID (5) POS (4694)
E 320	Wrong Nucleic Acid Designator, ac in SEQID (5)

**Input Set:**

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**Started:** 2009-02-05 20:45:13.750  
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**Total Warnings:** 21  
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**No. of SeqIDs Defined:** 11  
**Actual SeqID Count:** 11

Error code	Error Description
E 320	Wrong Nucleic Acid Designator, gc in SEQID (5)
E 320	Wrong Nucleic Acid Designator, ag in SEQID (5) This error has occurred more than 20 times, will not be displayed
W 112	Upper case found in data; Found at position(0) SeqId(6)
W 112	Upper case found in data; Found at position(3) SeqId(6)
E 259	Found undefined lettercode; POS (6) SEQID(6)
W 112	Upper case found in data; Found at position(6) SeqId(6)
E 259	Found undefined lettercode; POS (8) SEQID(6)
E 342	'n' position not defined found at POS: 9 SEQID(6)
W 112	Upper case found in data; Found at position(9) SeqId(6)
E 259	Found undefined lettercode; POS (12) SEQID(6)
W 112	Upper case found in data; Found at position(12) SeqId(6)
E 259	Found undefined lettercode; POS (15) SEQID(6)
W 112	Upper case found in data; Found at position(15) SeqId(6)
E 259	Found undefined lettercode; POS (18) SEQID(6)
W 112	Upper case found in data; Found at position(18) SeqId(6)
E 259	Found undefined lettercode; POS (20) SEQID(6)
W 112	Upper case found in data; Found at position(21) SeqId(6)
E 259	Found undefined lettercode; POS (24) SEQID(6)
W 112	Upper case found in data; Found at position(24) SeqId(6)
E 259	Found undefined lettercode; POS (26) SEQID(6)
W 112	Upper case found in data; Found at position(27) SeqId(6)
E 259	Found undefined lettercode; POS (30) SEQID(6)

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**Started:** 2009-02-05 20:45:13.750  
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**Total Warnings:** 21  
**Total Errors:** 335  
**No. of SeqIDs Defined:** 11  
**Actual SeqID Count:** 11

Error code	Error Description
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E 259	Found undefined lettercode; POS (32) SEQID(6)
W 112	Upper case found in data; Found at position(33) SeqId(6)
E 259	Found undefined lettercode; POS (35) SEQID(6)
E 342	'n' position not defined found at POS: 36 SEQID(6)
W 112	Upper case found in data; Found at position(36) SeqId(6)
E 259	Found undefined lettercode; POS (38) SEQID(6)
W 112	Upper case found in data; Found at position(39) SeqId(6)
E 259	Found undefined lettercode; POS (41) SEQID(6)
E 342	'n' position not defined found at POS: 42 SEQID(6)
W 112	Upper case found in data; Found at position(42) SeqId(6)
E 259	Found undefined lettercode; POS (44) SEQID(6)
W 112	Upper case found in data; Found at position(45) SeqId(6)
E 259	Found undefined lettercode; POS (47) SEQID(6)
E 259	Found undefined lettercode; POS (49) SEQID(6) This error has occurred more than 20 times, will not be displayed
E 323	Invalid/missing amino acid numbering SEQID (6) POS (209)
E 323	Invalid/missing amino acid numbering SEQID (6)at Protein (210)
E 323	Invalid/missing amino acid numbering SEQID (6) POS (214)
E 323	Invalid/missing amino acid numbering SEQID (6)at Protein (215)
E 323	Invalid/missing amino acid numbering SEQID (6) POS (219)
E 323	Invalid/missing amino acid numbering SEQID (6)at Protein (220)
E 323	Invalid/missing amino acid numbering SEQID (6) POS (224)



**Input Set:**

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**Started:** 2009-02-05 20:45:13.750  
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Error code	Error Description
E 323	Invalid/missing amino acid numbering SEQID (6)at Protein (225)
E 323	Invalid/missing amino acid numbering SEQID (6) POS (229)
E 323	Invalid/missing amino acid numbering SEQID (6)at Protein (230)
E 323	Invalid/missing amino acid numbering SEQID (6) POS (234)
E 323	Invalid/missing amino acid numbering SEQID (6)at Protein (235)
E 323	Invalid/missing amino acid numbering SEQID (6) POS (239)
E 323	Invalid/missing amino acid numbering SEQID (6)at Protein (240)
E 323	Invalid/missing amino acid numbering SEQID (6) POS (244)
E 323	Invalid/missing amino acid numbering SEQID (6)at Protein (245) This error has occurred more than 20 times, will not be displayed
E 331	Count of Protein differs from the <211> tag Input: 648
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)

SEQUENCE LISTING

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Oulmouden, Ahmad  
Julien, Raymond  
Lafort, Marie-Piere,  
Leveziel, Hubert

<120> USE OF THE SILVER GENE FOR THE AUTHENTICATION OF  
THE ORIGINAL BREED OF ANIMAL POPULATIONS AND  
THEIR DERIVATIVE PRODUCTS

<130> 0508-1156

<140> 10565646

<141> 2006-03-24

<150> PCT/FR2004/001952

<151> July 22, 2004

<150> FR/09161

<151> July 25, 2003

<160> 11

<170> PatentIn version 3.1

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tttccaaaaa	cctcag	ac	caa	tac	tgg	caa	gtt	ctg	ggg	ggc	cca	gtg	tct			4349	
		Asp	Gln	Tyr	Trp	Gln	Val	Leu	Gly	Gly	Pro	Val	Ser				
		160						165									
gga	ctg	agc	atc	ggg	aca	gac	aag	gca	atg	ctg	ggc	aca	tat	aac	atg	4397	
Gly	Leu	Ser	Ile	Gly	Thr	Asp	Lys	Ala	Met	Leu	Gly	Thr	Tyr	Asn	Met		
		170						175						180			
gaa	gtg	act	gtc	tac	cac	cgc	cgg	ggg	tcc	cag	agc	tat	gtg	ccc	ctc	4445	
Glu	Val	Thr	Val	Tyr	His	Arg	Arg	Gly	Ser	Gln	Ser	Tyr	Val	Pro	Leu		
		185						190						195			200
gct	cac	tcc	agt	tca	gcc	ttc	acc	att	act	g	gtaaggactg	aggagggggac				4496	
Ala	His	Ser	Ser	Ser	Ala	Phe	Thr	Ile	Thr								
		205						210									
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Asp	
cag gtg ccc ttc tct gtg agt gtg tct cag ctg cag gcc ttg gat gga	4782
Gln Val Pro Phe Ser Val Ser Val Ser Gln Leu Gln Ala Leu Asp Gly	
215 220 225	
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Arg Asn Lys Arg Phe Leu Arg Lys Gln Pro Leu Thr Phe Ala Leu Gln	
230 235 240	
ctc cat gat ccc agt ggc tat ttg gct ggg gct gac ctt tcc tac acc	4878
Leu His Asp Pro Ser Gly Tyr Leu Ala Gly Ala Asp Leu Ser Tyr Thr	
245 250 255	
tgg gac ttt ggt gac agt aca ggg acc ctg atc tct cgg gca ctc acg	4926
Trp Asp Phe Gly Asp Ser Thr Gly Thr Leu Ile Ser Arg Ala Leu Thr	
260 265 270 275	
gtc act cac act tac cta gag tct ggc cca gtc act gca cag gtg gtg	4974
Val Thr His Thr Tyr Leu Glu Ser Gly Pro Val Thr Ala Gln Val Val	
280 285 290	
ctg cag gct gcc att cct ctc acc tcc tgt ggc tcc tct cca gtt cca	5022
Leu Gln Ala Ala Ile Pro Leu Thr Ser Cys Gly Ser Ser Pro Val Pro	
295 300 305	
ggc act aca gat agg cat gtg aca act gca gag gct cct gga acc aca	5070
Gly Thr Thr Asp Arg His Val Thr Thr Ala Glu Ala Pro Gly Thr Thr	
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gct ggc caa gtg cct act aca gaa gtc atg ggc acc aca cct ggc cag	5118
Ala Gly Gln Val Pro Thr Thr Glu Val Met Gly Thr Thr Pro Gly Gln	
325 330 335	
gtg cca act gca gag gcc cct ggc acc aca gtt ggg tgg gtg cca acc	5166
Val Pro Thr Ala Glu Ala Pro Gly Thr Thr Val Gly Trp Val Pro Thr	
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aca gag gat gta ggt acc aca cct gag cag gtg gca acc tcc aaa gtc	5214
Thr Glu Asp Val Gly Thr Thr Pro Glu Gln Val Ala Thr Ser Lys Val	
360 365 370	
tta agt aca aca cca gtg gag atg cca act gca aaa gct aca ggt agg	5262
Leu Ser Thr Thr Pro Val Glu Met Pro Thr Ala Lys Ala Thr Gly Arg	
375 380 385	
aca cct gaa gtg tca act aca gag ccc tct gga acc aca gtt aca cag	5310
Thr Pro Glu Val Ser Thr Thr Glu Pro Ser Gly Thr Thr Val Thr Gln	
390 395 400	
gga aca act cca gag ctg gtg gag acc aca gct gga gag gtg tcc act	5358
Gly Thr Thr Pro Glu Leu Val Glu Thr Thr Ala Gly Glu Val Ser Thr	
405 410 415	

cct gag cct gcg ggt tca aat act agc tca ttc atg cct aca gaa ggt 5406  
Pro Glu Pro Ala Gly Ser Asn Thr Ser Ser Phe Met Pro Thr Glu Gly  
420 425 430 435

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acc tta gtc ctg gag aag cgc caa gcc ccc ctg gat tgt gtt ctg tat 6400  
Thr Leu Val Leu Glu Lys Arg Gln Ala Pro Leu Asp Cys Val Leu Tyr  
450 455 460

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ggt att gag agt gct gag atc cta cag gct gtg tca tcc agt gaa gga 6730  
Gly Ile Glu Ser Ala Glu Ile Leu Gln Ala Val Ser Ser Ser Glu Gly  
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Leu Pro Lys Glu Ala

510

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Cys Met Asp Ile Ser Ser Pro Gly Cys Gln Leu Pro Ala Gln Arg Leu  
515 520 525

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Cys Gln Pro Val Pro Pro Ser Pro Ala Cys Gln Leu Val Leu His Gln  
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Val Leu Lys Gly Gly Ser Gly Thr Tyr Cys Leu Asn Val Ser Leu Ala  
545 550 555

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Asp Ala Asn Ser Leu Ala Met Val Ser Thr Gln Leu Val Met Pro  
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Ala Gly Leu Arg Gln Ala Pro Leu Phe Val Gly Ile Leu Leu Val Leu  
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aca gct ttg ttg ctt gca tct ctg ata tac ag gtgagatccc cgccatcctg 7295  
Thr Ala Leu Leu Leu Ala Ser Leu Ile Tyr Arg  
595 600

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